INTERNATIONAL SEARCH REPORT

T/IB2004/052488

			17 1020047 032400		
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER G11B7/22				
	International Patent Classification (IPC) or to both national classification	assification and IPC			
	SEARCHED cumentation searched (classification system followed by class	cification symbols)			
IPC 7	<u>-</u>	sincation symbols)			
Documentat	ion searched other than minimum documentation to the extent	that such documents are included	d in the fields searched		
Electronic da	ata base consulted during the international search (name of d	ata base and, where practical, se	arch terms used)		
EPO-In	ternal				
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of t	he relevant passages	Relevant to claim No.		
X	US 2003/179667 A1 (YOSHINAKA I 25 September 2003 (2003-09-25) paragraph '0029! - paragraph paragraph '0052! - paragraph figures 3,5,7	1,2,5,6,			
X	US 4 719 614 A (LETERME ET AL) 12 January 1988 (1988-01-12) column 4, line 56 - column 5, figure 11	1,5,7,8			
X	EP 0 252 562 A (N.V. PHILIPS' GLOEILAMPENFABRIEKEN) 13 January 1988 (1988-01-13) page 3, column 4, line 25 - pa 6, line 20; figures	1,2,5,8			
		-/			
		,			
X Furth	er documents are listed in the continuation of box C.	χ Patent family mem	bers are listed in annex.		
A" documer conside E" earlier do filing da L" documen which is citation O" documer other m	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or	or priority date and not cited to understand the invention "X" document of particular a cannot be considered involve an inventive stannot be considered cannot be considered document is combined.	ed after the international filing date to in conflict with the application but e principle or theory underlying the relevance; the claimed invention novel or cannot be considered to ep when the document is taken alone relevance; the claimed invention to involve an inventive step when the divide or more other such docution being obvious to a person skilled		
	ctual completion of the international search		nternational search report		
26 April 2005		04/05/200	04/05/2005		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswljk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,		Authorized officer Geoghegan, C			
70770110	Fax: (+31-70) 340-3016 0 (second sheet) (January 2004)	Geognegan	, .		

T/IB2004/052488

>00	
L	
Q	
4	ζ
TARRE	
10	
A	
-	_
U)
Ţ	Į
Œ)

·	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(US 4 735 677 A (KAWACHI ET AL) 5 April 1988 (1988-04-05)	1,5,6
,	cited in the application column 16, line 59 - column 19, line 17; figures 9-14	2,8
	US 2002/145815 A1 (MORIYAMA KATSUYA ET AL) 10 October 2002 (2002-10-10) paragraph '0031! - paragraph '0071!; figures	2,8

INTERNATIONAL SEARCH REPORT

Information on patent family members

national Application No
. _ [/IB2004/052488

				_		
Patent document cited in search report		Publication date	Patent family member(s)			Publication date
US 2003179667	A1	25-09-2003	AU	2003214652	A1	29-09-2003
			WO	03079338		25-09-2003
			JP	2003346355	Α	05-12-2003
US 4719614	A	12-01-1988	FR	2546310	A1	23-11-1984
			CA	1255138	A1	06-06-1989
			DE	3464807	D1	20-08-1987
			EP	0127516	A1	05-12-1984
			JP	59227042	A	20-12-1984
EP 0252562	Α	13-01-1988	NL	8601775	A	01-02-1988
			DD	265243	A5	22-02-1989
			DE	3782100	D1	12-11-1992
			DE	3782100	T2	22-04-1993
			EP	0252562	A1	13-01-1988
			JP	2554086	B2	13-11-1996
			JP	63026830	Α	04-02-1988
			KR	9510328	B1	14-09-1995
			US	4796252	Α	03-01-1989
			US	4750826	Α	14-06-1988
US 4735677	Α	05-04-1988	JP	1795099		28-10-1993
			JP	5003748	В	18-01-1993
			JP	61242069	Α	28-10-1986
			JP	61046911	Α	07-03-1986
			JP	1713391	C	27-11-1992
			JP	2030485	В	06-07-1990
			JP	61087113	Α	02-05-1986
			JP	1478545		27-01-1989
			JP	61117513		04-06-1986
			JP	63025644	_	26-05-1988
			JP	61133911	Α	21-06-1986
			CA	1255382	A1	06-06-1989
			DE	3575208	D1	08-02-1990
			ΕP	0171615	A2	19-02-1986
			US	4750799	A	14-06-1988
US 2002145815	A1	10-10-2002	JP	2002269791	A	20-09-2002
			CN	1375824	Α	23-10-2002